

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**Washington, D.C. 20460**



**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**  
**Antimicrobial Division**

**7/8/2016**

**DP BARCODE:** 433648

**MRIDs:** 497412-01, 497412-02, 497412-03, and 497412-04

**SUBJECT:** Frozen

**REG. NO. OR FILE SYMBOL:** 5813-RRE

**DOCUMENT TYPE:** Product Chemistry Review

**Manufacturing-use product** ☐ **OR** **End-use product**☒

**INGREDIENTS (PC Codes):** 081407

**CAS Number:** 51580-86-0

**TEST LAB:**

**SUBMITTER:** The Clorox Company c/o PS&RC

**GUIDELINE:**

**COMMODITIES:**

**REVIEWER:** Sergey Alekseyev

**ORGANIZATION:** AD/PSB/CTT

**APPROVER:** Karen P. Hicks

**APPROVED DATE:**

**COMMENT:**

**From:** Sergey Alekseyev, Chemist  
Product Science Branch, CT Team  
Antimicrobials Division (7510P)



**Thru:** Karen P. Hicks, CT Team Leader  
Product Science Branch  
Antimicrobials Division (7510P)

  
for KPH

**To:** Eric Miederhoff/Srinivas Gowda  
PM Team 31

**APPLICANT:** The Clorox Company c/o PS&RC

**Action code:** (540) New Product; Non-Fast Track; FIFRA Sec. 2(MM) Uses

**Formulation from Label**

**Active Ingredient Names**

Sodium dichloroisocyanurate dihydrate

**%wt  
(label)**  
14.85

**BACKGROUND:**

The Clorox Company c/o PS&RC provided EPA Form 8570-4 (Confidential Statement of Formula), one basic formulation, dated 02/22/2016; MRID Nos. 497412-01, 497412-02, 497412-03, and 497412-04; EPA Form 8570-35 (Data Matrix), dated 02/22/2016; and a label, no date. The registrant is requesting product chemistry review for registration of the subject product.

**FINDINGS:**

1. EPA Reg. No. **5813-RRE** is an end-use product containing the active ingredient Sodium dichloroisocyanurate dihydrate, with a label claim nominal concentration of 14.85% and other ingredients content of 85.15%. The product is used for disinfection of hard, non-porous surfaces. The product is produced by a non-integrated system.
2. The CSF for the basic formulation is acceptable. The certified limits for the active ingredient disagree with 40 CFR §158.350 with proper justification (see MRID No. 497412-01). The certified limits for the inert ingredient agree with 40 CFR §158.350. All ingredients have been cleared for use in pesticide formulations.
3. Except for Finding 4, data reported in MRID Nos. 497412-01, 497412-02, 497412-03, and 497412-04 satisfy the product chemistry data requirements under Subgroups A and B, which pertain to Product Identity and Composition, and Physical and Chemical Properties, respectively.
4. Storage Stability and Corrosion Characteristics studies are to be submitted within 18 months, see MRID 497412-04.
5. The Ingredients Statement on the draft label is acceptable as per 40 CFR §156.10(g) and PR Notices 91-2, 97-5, and 97-6. The Storage and Disposal Statements are acceptable in accordance with 40 CFR §156.10(i)(2)(ix) and PR Notice 83-3.

**CONCLUSIONS:**

The registrant has satisfied the product chemistry requirements for the registration of EPA Reg. No. **5813-RRE**. Storage Stability and Corrosion Characteristics studies are to be submitted within 18 months (see Finding 4).

**Product Chemistry Data****Subgroup A: Series 830.1550 - 830.1800 (40 CFR 158.155 - 158.180)**

<b>GUIDELINE REFERENCE NO. (GRN)/ TITLE 830</b>	<b>40 CFR §</b>	<b>MRID Number</b>	<b>Data Fulfilled</b>
.1550 Product Identity and Composition	158.320	CSF	Y
.1600 Description of Materials Used to Produce the Product	158.325	497412-01	Y
.1620 Description of Production Process	158.330		N/A
.1650 Discussion of Formulation Process	158.165	497412-01	Y
.1670 Discussion of Formation of Impurities	158.167	497412-01	Y
.1700 Preliminary Analysis	158.345		N/A
.1750 Certified Limits	158.350	497412-01	Y
.1800 Enforcement Analytical Method	158.355	497412-01	Y

**Subgroup B: Series 830.6302 - 7950 (40 CFR 158.190)**

<b>Guideline Reference No. (GRN) / Title 830</b>	<b>Value or Qualitative Description</b>	<b>MRID Number</b>	<b>Data Fulfilled</b>
.6302 Color	White	497412-02	Y
.6303 Physical State	Solid, crystal	497412-02	Y
.6304 Odor	Bleach odor	497412-02	Y
.6313 Stability to Normal and Elevated Temperature, Metals, and Metal Ions	Not applicable. The product is not TGAI/PAI.		N/A
.6314 Oxidation/Reduction Chemical Incompatibility	The product does not contains oxidizer/reducer.	497412-03	Y
.6315 Flammability/ Flame Extension	The product does not contain flammable liquid.		N/A
.6316 Explodability	The product is not potentially explosive.	497412-04	N/A
.6317 Storage Stability	The study to be submitted.	497412-04	I
.6319 Miscibility	The product is not to be mixed with petroleum distillate.		N/A
.6320 Corrosion Characteristics	The study to be submitted.	497412-04	I
.6321 Dielectric Breakdown Voltage	The product is not intended to be used around electrical equipment.	Label	N/A
.7000 pH	6.41 at 25 °C	497412-02	Y
.7050 UV/Visible Light Absorption	Not applicable. The product is not TGAI/ PAI.		N/A
.7100 Viscosity	The product is not liquid.		N/A
.7200 Melting Point	Not applicable. The product is not TGAI/ PAI.		N/A
.7220 Boiling Point	Not applicable. The product is not TGAI/ PAI.		N/A
.7300 Density/Bulk Density	1.187 (9.9 lbs/gal)	497412-02	Y
.7370 Dissociation Constant in Water	Not applicable. The product is not TGAI/ PAI.		N/A
.7550 Octanol/Water Partition Coefficient	Not applicable. The product is not TGAI/ PAI.		N/A
.7840 Solubility to Water and Organic Solvents	Not applicable. The product is not TGAI/ PAI.		N/A
.7950 Vapor Pressure	Not applicable. The product is not TGAI/ PAI.		N/A

Explanations: Y = Requirement fulfilled; N = Requirement not fulfilled; N/A = Not applicable; G = Data gap; U = Upgradeable; I = Incomplete or in progress; W = Waived